Model #: SMART5000XFMRXL

SmartPro 3U Rack/Tower Extended Run UPS - Line interactive, sine wave UPS with integrated switched PDU and current monitoring

Highlights

- 5000VA 208/120V Sine Wave Expandable Rack/Tower UPS - All-in-one chassis requires 3 rack spaces total
- Battery Independent AVR corrects brownouts to 167V and overvoltages to 260V
- Multiple interfaces - USB, DB9 serial, SNMPWEBCARD Slot
- Integrated Switched PDU with Current Monitoring and 8 single-outlet load banks
- 11 Outlets (2 L6-20, 1 L6-30, 8 NEMA 5-15/20R)
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite 5kVA Smart RM UPS. 5000VA line-interactive UPS for server, network and telecommunications equipment. UPS with internal batteries requires 3 rack spaces installed. Accepts 208V nominal input voltage. Simultaneous 208 & 120V output. Corrects brownouts and overvoltages from 167V to 260V. Sine wave output. Maintains battery-derived AC output during blackouts and severe voltage fluctuations. Expandable runtime with optional external battery packs. 11 output receptacles. NEMA L6-30P input connection with support for user-supplied 50A or hardwire input. Network-grade AC surge and noise suppression. Network management interfaces include USB, DB9 serial and SNMPWEBCARD slot. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all network interfaces simultaneously. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated 8-bank switched PDU. 3-stage metered current monitoring and battery charge LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 4-post rack mounting accessories included; 2-9USTAND and 2POSTRMKITWM accessories available. Field-replaceable, hot-swappable internal batteries and battery packs. Attractive all-black color scheme. 2-year warranty and $250,000 connected equipment insurance; extended warranty and service contracts available.

Applications

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19-in. rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems

Package Includes

- SMART 5000XFMRXL UPS System
- PowerAlert Software and Cabling
- Mounting hardware for 4-post rackmount installation
- Warranty information
- Instruction manual

Features

- 5000VA/3750 watt max. output power capacity compatible with North American 208V/60Hz input voltage
- Supports full output at either 208V or 120V
- 3U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 22.5 inches

- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Line Interactive Automatic Voltage Regulation (AVR) corrects 208V nominal input from 167 to 260VAC back to usable 208/120V levels without consuming battery power
- AVR circuits boost undervoltages by 12% and reduce overvoltages by 12%
- Network interfaces support simultaneous communications via USB, DB9 serial and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, internal UPS temperature, AC line frequency, timed inverter shutoff, activate self-test and load bank output power control
- Built-in Emergency Power Off (EPO) interface with cable
- Sine wave output in AC and battery mode
- Expandable runtime with optional BP48V60RT3U external battery packs
- Half/full load runtime of 27/10 minutes with internal batteries
- Includes 11 output receptacles (2 L6-20, 1 L6-30 & 8 NEMA 5-15/20R)
- Ships with installed L6-30P input plug, supports user supplied 50A replacement plug or hardwire input
- Integrated 8 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Included adjustable mounting rails support installation in 4 post 19 inch racks
- UPS ships fully assembled in full compliance with DOT regulations, no time consuming connection of internal batteries by user is required
- Supports 2 post rackmount installation with optional 2POSTRMKIT accessory
- Supports upright tower placement with optional 2-9USTAND accessory
- UL (USA), cUL (Canada), NOM (Mexico), TUV, FCC Class A (Emissions) listed
- 2 year manufacturer's product warranty, $250,000 Ultimate Lifetime Insurance

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208V
Frequency compatibility	60Hz
OUTPUT	
Output VA	5000
Output watts	3750
Output nominal voltage	208V & 120V
Output voltage regulation	LINE MODE: Sine wave line voltage 208V & 120V (+/-10%) BATTERY MODE: 208V & 120V (+/-5%)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%, BATTERY MODE: Inverter output regulated to 60Hz (+/-0.5Hz)
Outlet quantity / type	1 NEMA L6-30R, 2 NEMA L6-20R and 8 NEMA 5-15/20R
Customized load management receptacles	Includes 8 single-outlet NEMA 5-15/20R load banks that support on-demand load shedding and remote reboot of locked network devices. Controllable via PowerAlert software to switch off optional loads, e.g. monitors, to increase available runtime for servers and other critical devices
Overload protection	Resettable circuit breakers
INPUT	
Maximum input amps	27A
Input connection type	NEMA L6-30P
Input cord length	10 ft./3m
Recommended Electrical Service	208V 30A or optional 208V 50A input supported

BATTERY

Full load runtime	8.5 min. (5000VA) expandable
Half load runtime	20 min. (2500VA) expandable
Expandable battery runtime	Expandable runtime with optional BP48V60RT3U external battery packs
DC system voltage	48VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	Qty 3 RBC94-3U

VOLTAGE REGULATION

Voltage regulation description	Automatic voltage regulation (AVR) circuits maintain clean, regulated computer-grade 208/120V nominal output, without using battery power, during brownouts to 167V and overvoltages to 260V
Overvoltage correction	Input voltages between 228 and 260 are reduced by 12%
Direct pass through	Input voltages between 199 and 227 are passed through unchanged
Brownout correction	Input voltages between 167 and 194 are boosted by 12%

LEDS ALARMS & SWITCHES

Front panel LEDs	5-front panel LEDs: Green POWER LED, Green VOLTAGE CORRECTION LED, 3-color BATTERY CHARGE LED, 3-color OUTPUT LOAD LED, red BATTERY WARNING LED
Alarms	3-function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	2 front panel-mounted pushbutton switches for system enable, self-test and alarm cancel functions

SURGE / NOISE SUPPRESSION

AC surge suppression	1020 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	181.88
Shipping weight (kg)	82.6
Shipping Dimensions (HWD/in)	11.25 x 23 x 31.5
Shipping Dimensions (HWD/cm)	28.6 x 58.4 x 80
Unit weight (lbs)	143.3
Unit weight (kg)	65.1
Unit Dimensions (HWD/in)	5.25 x 17.5 x 25
Unit Dimensions (HWD/cm)	13.3 x 44.5 x 63.5
Material of construction	Steel
Form factors supported	Rack (3U)

Cooling method	Built-in cooling fan
Battery Access	Battery access door allows hot-swap battery replacement without powering connected equipment off

ENVIRONMENTAL

Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit
Operating Temperature	+32 to +104 degrees Fahrenheit
Line mode BTU/hr. (Max.)	669.8 BTU / hr. (at full load)
Battery mode BTU/hr. (Max.)	1417 BTU / hr. (at full load)

COMMUNICATIONS

Network monitoring port	Includes built-in USB and DB9 serial ports. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and stand-alone operating systems. Ships with USB and DB9 serial cables
SNMP compatibility	Built-in accessory slot accommodates internal SNMP/Web card and other network accessories
WatchDog compatibility	Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment via soft reboot of applications/OS or hard power off/on reboot of connected equipment; ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	167VAC (resets to line power as voltage increases to 176VAC)
High voltage transfer to battery power	260V (resets to line power as voltage decreases to 254VAC)

SPECIAL FEATURES

EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
TVSS grounding	Includes back panel grounding point with thubscrew for data line surge suppressors and other network accessories requiring a safe grounding point
Cold Start	Inverter can be cold-started to provide temporary AC output during a power failure
Appearance	Attractive all-black housing

BATTERY PACK ACCESSORY (optional)

Battery Pack Accessory (optional)	BP48V60RT3U

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class A (emissions)

WARRANTY

Product Warranty Period	2 year product warranty
Connected Equipment Coverage	$250,000 connected equipment insurance (USA / Canada only)
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities

Related Items

Extended Warranties		
WEXT3-5000TEL	3-Year Extended Warranty - For SMART5000TEL3U only	Qty: [optional]

| WEXT5-5000TEL | 5-Year Extended Warranty - For SMART5000TEL3U only | Qty: [optional] |

External Battery Packs

| BP48V60RT-3U | External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector | Qty: [optional] |

Power Distribution

PS7224-20	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDU2430	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Rackmount/Wallmount Kits

| 2POSTRMKITWM | Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.) | Qty: [optional] |

SNMP Accessories

| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | Qty: [optional] |
| SNMPWEBCARD | For remote monitoring and control via SNMP, Web or telnet. | Qty: [optional] |

Start-Up/Warranty Services

W02-BW0	Regular business hours start-up, excludes on-site warranty.	Qty: [optional]
W02-BW2-1BD	Regular business hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW2-247	Regular business hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-BW3-1BD	Regular business hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-BW3-247	Regular business hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW0	Evening or weekend hours start-up, excludes on-site warranty.	Qty: [optional]
W02-EW2-1BD	Evening or weekend hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW2-247	Evening or weekend hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW3-1BD	Evening or weekend hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW3-247	Evening or weekend hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-BW1-1BD	Regular business hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW1-247	Regular business hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-EW1-1BD	Evening or weekend hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW1-247	Evening or weekend hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]

Surge Protectors

| DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |

DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

Tower Stands

2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]

USB Hubs/Accessories

U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3083.